

SEQUENCE LISTING

COPY

<110> Dixon, Richard A.
Xia, Yiji
Lamb, Christopher

<120> CONSTITUTIVE DISEASE RESISTANCE (CDR1)
GENE AND METHODS OF USE THEREOF

<130> SALK2820-1

<140> 09/353,332

<141> 1999-07-14

<150> 60/092,696

<151> 1998-07-14

<160> 3

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 4839

<212> DNA

<213> Arabidopsis thaliana

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<221> CDS

<222> (1111)...(2421)

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Met Ala Ser Leu Phe Ser Ser Val

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1

5

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ctc ttg tct ctt tgt tta ctc tct tca ctt ttt ctc tca aat gca aac      1182
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10 15 20

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FASTSEQ FOR WINDOWS

1278

1326

1374

1422

1470

1518

1566

1614

1662

1710

1758

1806

1854

1902

1950

[illegible]

Asn Ala Ile Val Ser Gly Ser Gly Val Val Ser Thr Pro Leu Ile Ala
265 270 275 280

aag gcg tct caa gag acc ttc tat tac cta acc cta aaa tcc att agc 1998
Lys Ala Ser Gln Glu Thr Phe Tyr Tyr Leu Thr Leu Lys Ser Ile Ser
285 290 295

gtg gga agc aag caa atc caa tac tca ggc tca gat tct gaa agc agc 2046
Val Gly Ser Lys Gln Ile Gln Tyr Ser Gly Ser Asp Ser Glu Ser Ser
300 305 310

gag gga aac atc atc atc gat tca ggc aca act tta acg tta tta ccg 2094
Glu Gly Asn Ile Ile Ile Asp Ser Gly Thr Thr Leu Thr Leu Leu Pro
315 320 325

act gaa ttt tac tcc gag ctc gag gat gcg gtt gca tcc tct atc gat 2142
Thr Glu Phe Tyr Ser Glu Leu Glu Asp Ala Val Ala Ser Ser Ile Asp
330 335 340

gct gag aag aag caa gat cca caa agc ggt ttg agt cta tgt tac agt 2190
Ala Glu Lys Lys Gln Asp Pro Gln Ser Gly Leu Ser Leu Cys Tyr Ser
345 350 355 360

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Ala Thr Gly Asp Leu Lys Val Pro Val Ile Thr Met His Phe Asp Gly
365 370 375

gcc gat gtg aag ctt gac tcc tcc aat gcc ttt gta caa gtc tcg gag 2286
Ala Asp Val Lys Leu Asp Ser Ser Asn Ala Phe Val Gln Val Ser Glu
380 385 390

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Asp Leu Val Cys Phe Ala Phe Arg Gly Ser Pro Ser Phe Ser Ile Tyr
395 400 405

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410 415 420

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Lys Thr Val Ser Phe Lys Pro Thr Asp Cys Ala Lys Met
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<213> Arabidopsis thaliana

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Ala Asp Leu Ile His Arg Asp Ser Pro Lys Ser Pro Phe Tyr Asn Pro
 35              40              45
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 50              55              60
Asn Arg Val Phe His Phe Thr Glu Lys Asp Asn Thr Pro Gln Pro Gln
 65              70              75              80
Ile Asp Leu Thr Ser Asn Ser Gly Glu Tyr Leu Met Asn Val Ser Ile
 85              90              95
Gly Thr Pro Pro Phe Pro Ile Met Ala Ile Ala Asp Thr Gly Ser Asp
 100             105             110
Leu Leu Trp Thr Gln Cys Ala Pro Cys Asp Asp Cys Tyr Thr Gln Val
 115             120             125
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Thr Asn Asp Asn Thr Cys Ser Tyr Ser Leu Ser Tyr Gly Asp Asn Ser
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Tyr Thr Lys Gly Asn Ile Ala Val Asp Thr Leu Thr Leu Gly Ser Ser
 180             185             190
Asp Thr Arg Pro Met Gln Leu Lys Asn Ile Ile Ile Gly Cys Gly His
 195             200             205
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<213> Artificial Sequence

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<223> synthetic peptide utilized for antibody
production; segment of SEQ ID NO:2

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[illegible]